



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun *et al.*

Serial No.: 09/687,483

Filed: October 13, 2000


For: METHODS FOR GENERATING DATABASES
AND DATABASES FOR IDENTIFYING
POLYMORPHIC GENETIC MARKERS

Art Unit: 1645

Examiner: Unassigned

I hereby certify that this paper and the attached
papers are being deposited with the United States
Postal Service as first class mail in an envelope
addressed to:
Commissioner for Patents
Washington, D.C. 20231, on this date.

04/05/01
Date


Kelly Fischer

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TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

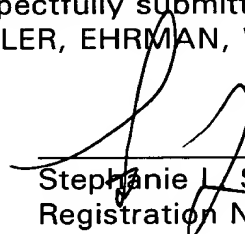
Transmitted herewith is a Preliminary Amendment for filing in connection
with the above-identified application.

(X)

The Commissioner is hereby authorized to charge the fee for the Information
Disclosure Statement and any other fees that may be due under 37 C.F.R.
§§1.16-1.17 in connection with this paper or with this application during
its entire pendency to Deposit Account No. 50-1213. A duplicate of this
sheet is enclosed.

Respectfully submitted
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PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Preliminary to examination of the above-captioned patent application,
please amend the application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows (a marked-up copy of the
amended specification is attached to this Amendment):

Please replace the paragraph on page 108, lines 15-21, with the following
paragraph.

Sub 1
Referring to FIG. 51, a residual error is calculated by taking a root mean
square calculation between the Gaussian 293 and the putative peak 290 in the
data signal. The calculation is performed on data within one width on either
side of a center line of the Gaussian. The residual error is calculated as:

$$\sqrt{(G-R)^2/N}$$

where G is the Gaussian signal value, R is the putative peak value, and N
is the number of points from -W to +W. The calculated residual error is
used to generate an adjusted signal-to-noise ratio, as described below.